

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000033

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: H03B 7/06, H04R 17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI, Internet, USPTO + keywords (oscillator, thermal expansion, crystal, piezoelectric and similar terms)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VIG, John R. "Introduction to Quartz Frequency Standards" Research and Development Technical Report, Army Research Laboratory, Electronics and Power Sources Directorate, Fort Monmouth, NJ, 07703-5601, USA, SLCET-TR-92-1 (Rev. 1) October 1992. See in particular part II A. 4. Quartz and the Quartz Crystal Unit, part II B. Oscillator Categories, part III D. Frequency versus Temperature Stability, and part IV Oscillator Comparison and Selection (Copy obtained from the Internet at http://www.oscillent.com/esupport/TechSupport/ReviewPapers/IntroQuartz/vigtoc.htm)	1-7, 12, 14-21
A	US 5747857 A (EDA et al) 5 May 1998 Whole document	

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"B" earlier application or patent but published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search
17 March 2005

Date of mailing of the international search report

24 MAR 2005

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/AU2005/000033

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	5747857	EP	503892	EP	575948	EP	591918
		EP	594117	JP	04-283957	JP	06-006167
		JP	06-006168	JP	06-021745	JP	06-021746
		JP	06-120416	JP	06-125036	JP	06-125038
		JP	06-196963	NO	933534	US	5668057

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX